Title (en)

Method for making an absorbent element for disposable absorbent articles having an integrated acquisition layer

Title (de)

Verfahren zur Herstellung eines absorbierende Elementes für saugfähige Artikel mit intergrierter Flüssigkeitsaufnahme schicht

Title (fr)

SYSTÈME DE FABRICATION D'UN ÉLÉMENT ABSORBANT PUR DES ARTICLES ABSORBANTES AVEC UNE COUCHE D'ACQUISITION INTÉGRALE

Publication

EP 2952164 A1 20151209 (EN)

Application

EP 14170911 A 20140603

Priority

EP 14170911 A 20140603

Abstract (en)

The present invention relates to a method for making a layered absorbent element, for use in disposable absorbent articles, which comprises a top layer and a bottom layer. The method includes providing a fibrous nonwoven layer having a basis weight from 20 to 100 gsm, and a thickness of from 0,25 to 5mm, providing an air laid or a wet laid manufacturing line comprising a forming screen, placing said nonwoven layer onto said forming screen, forming onto the nonwoven layer (top layer) an air laid or wet laid layer (bottom layer) comprising fibers and superabsorbent polymers (SAP) depositing these materials onto the nonwoven layer using an air laid or wet laid process where the nonwoven layer acts as forming screen. The resulting material is then compressed.

IPC 8 full level

A61F 13/539 (2006.01); **A61F 13/15** (2006.01)

CPC (source: EP US)

A61F 13/15642 (2013.01 - EP US); **A61F 13/15658** (2013.01 - EP US); **A61F 13/15707** (2013.01 - US); **A61F 13/539** (2013.01 - EP US); A61F 2013/15715 (2013.01 - US)

Citation (applicant)

- WO 03090656 A1 20031106 - PROCTER & GAMBLE [US]
- US 2002007169 A1 20020117 - GRAEF PETER A [US], et al
- WO 0074620 A1 20001214 - BKI HOLDING CORP [US], et al
- US 4687478 A 19870818 - VAN TILLBURG KEES J [US]
- US 4608047 A 19860826 - MATTINGLY WILLIAM B [US]
- US 4589876 A 19860520 - VAN TILBURG KEES J [US]
- US 4285343 A 19810825 - MCNAIR ROSETTA M
- US 3397697 A 19680820 - RICKARD CHARLOTTE I
- US 2787271 A 19570402 - CATHERINE CLARK MYRNA
- WO 2005084596 A1 20050915 - SCA HYGIENE PROD AB [SE], et al
- WO 2010118272 A1 20101014 - PROCTER & GAMBLE [US], et al
- WO 2013180832 A1 20131205 - 3M INNOVATIVE PROPERTIES CO [US], et al
- WO 2013180937 A1 20131205 - 3M INNOVATIVE PROPERTIES CO [US], et al
- WO 2012040315 A1 20120329 - PROCTER & GAMBLE [US], et al

Citation (search report)

- [X] US 4723954 A 19880209 - PIENIAK HEINZ A [US]
- [X] US 6127594 A 20001003 - ROSSELAND BERIT [SE]
- [X] DE 20118532 U1 20020221 - SANDLER C H GMBH [DE]

Cited by

US11591755B2; US11255051B2; US12043963B2; US11313061B2; US11788221B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2952164 A1 20151209; US 2015342789 A1 20151203; WO 2015187791 A1 20151210

DOCDB simple family (application)

EP 14170911 A 20140603; US 2015033923 W 20150603; US 201514729107 A 20150603